

## A Revised Catalogue of Types of the Noctuidae (Lepidoptera) described by F. Bryk (1948) from the Korean Peninsula

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**Abstract** The identity of most species of Noctuidae described by F. Bryk (1948) from Korea are critically revised by the examination of authentic material in the collection of the Naturhistoriska Riksmuseet, Stockholm, Sweden. The results are presented in an alphabetical catalogue for the names of species, subspecies and individual forms proposed by Bryk, with a complete list of all specimens of the Noctuidae species named by him. He (1948) described 5 genera, 20 nominal species, 75 subspecies, and 5 individual forms of the Noctuidae, mostly from Korea. Nine names are currently considered as valid taxa, but most of the others should have their taxonomic status changed. New synonyms and taxonomic changes are proposed as follows: *Euxoa intracta kurilintracta* Bryk, 1948 to syn. n. of *E. sibirica* (Boisduval, 1832); *Euxoa oberthuri nominata* Bryk, 1948 to syn. n. of *E. subconspicua* (Staudinger, 1881); *Diarsia exusta nolimetangere* Bryk, 1948 to syn. n. of *Sineugraphe bipartita* Graeser, [1889] 1888; *Gelastocera ochroleucana f. designata* Bryk, 1948 to syn. n. of *G. exusta* Butler, 1877; *Moma kolthoffi* Bryk, 1948, stat. n., comb. n.; *Moma fulvicollis* (Lattin, 1949) to syn. n. of *M. kolthoffi* Bryk, 1948; *Moma ludifica azugensis* Bryk, 1948 to syn. n. of *Trichosea ludifica* (Linne, 1758); *Acrionicta alni korealni* Bryk, 1948 to syn. n. of *A. alni* (Linne, 1767) *Hydrillodes obscurans* Bryk, 1948 to syn. n. of *H. morosa* (Butler, 1879). *Mythimna turca matsumuriana* Bryk, 1948 to syn. n. of *M. turca* (Linnaeus, 1758); *Mythimna monticola* Sugi, 1981, stat. res., bona species; *Cosmia fulvago korecosmia* Bryk, 1948 to syn. n. of *Xanthia icteritia* (Hufnagel, 1766); *E. koreaplexia* Bryk, 1948, stat. res., bona species; *Euplexia vinacea* Sugi, 1982 to syn. n. of *E. koreaplexia* Bryk, 1948; *Oligia arcta tegularis* Bryk, 1948 to syn. n. of *Eucarta fasciata* (Butler, 1878); *Dadaica differentia* Bryk, 1948 to syn. n. of *Athetis albisignata* (Oberthür, 1879); *Zanclognatha triplex koreognatha* Bryk, 1948 to syn. n. of *Z. umbrosalis* (Staudinger, 1892); *Virgo vernalis* Bryk, 1948 to syn. n. of *Virgo datanidia* (Butler, 1885). Some corrections to "Catalogue of the World Noctuidae" (Poole, 1989) are given.

**Key words** Taxonomy, nomenclature, revision, Noctuidae, F. Bryk, Korean Peninsula

### INTRODUCTION

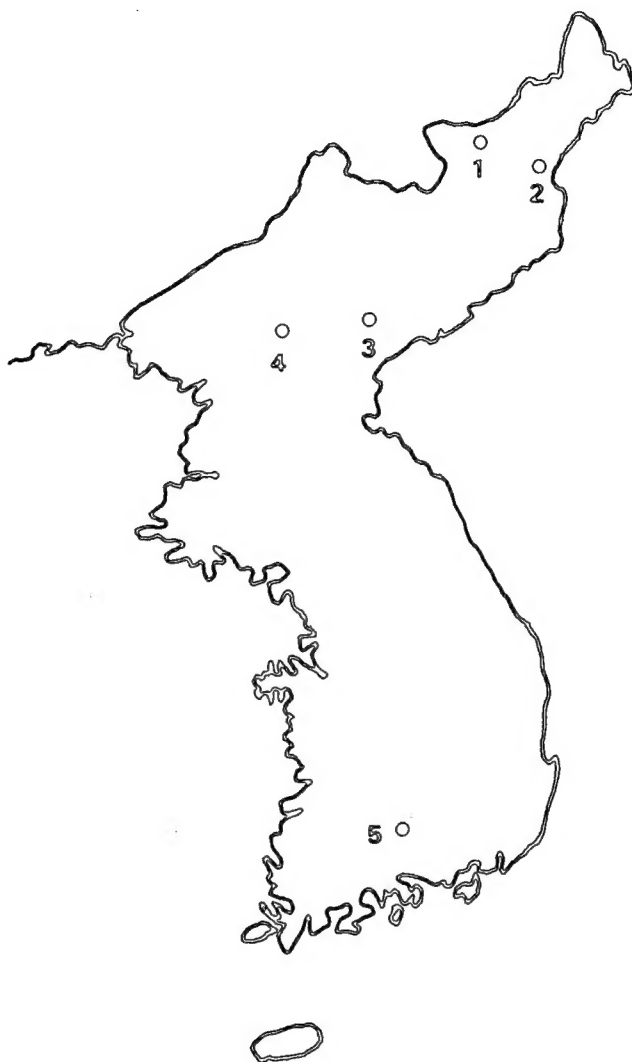
The present paper is written in order to introduce and revise an old faunistic and taxonomic work on the Noctuidae from the Korean Peninsula. The study is focused on the completion of a catalogue on the

type materials of the species-group taxa described from Korea by Swedish Entomologist, F. Bryk. The types of Bryk's materials are deposited in the Swedish Museum of Natural History, Sweden, Stockholm [Naturhistoriska Riksmuseet, NHRM].

Bryk (1948) described 105 new taxa of the Noctuidae in his work dealing with Lepidoptera from Korea, including 5 genera, 20 species, 75 subspecies, and 5 forms of infrasubspecific rank. Nine names among these taxa, *Panthea coenobita idae* Bryk, 1948, *Moma kolthoffi* (Bryk, 1948), *O. cedermarki* (Bryk, 1948), *Euplexia koreaplexia* (Bryk, 1948), *Maliatha chalcogramma* (Bryk, 1948), *Gelastocera eminentissima* (Bryk, 1948), *Lygephila mirabilis* (Bryk, 1948), *Zanclognatha perfractalis* Bryk, 1948, and *Sinarella* Bryk, 1948, are currently considered as valid taxa. Most new taxa were described by him from Korea and a few of them from Japan, China or Europe. Most materials based on Bryk's publication were collected from Korea in the years, 1935, and partly in 1936, by a Swedish ornithologist, Sten Bergman. Some names of the type localities reported in the original description were incorrectly transcribed by Bryk but later corrected and defined by Park (1976). Main type localities for Bryk's materials are as follows: Shuotsu- N Korea, near Kyeongseong (Hamgyeong bugdo); Motojondo- N Korea, (Hamgyeong bugdo); Gekatsungu (=Gekatsuru)- N Korea near Shinheong (Hamgyeong namdo); Myokosan- N Korea, Mt. Myohyang (Pyongan bugdo); Chidisan (=Chirisan)- S Korea, Mt. Jiri (Jeonra namdo or Kyeongsang namdo). A map of localities reported by Bryk (1948) is provided (Map. 1).

The taxa described by Bryk were partly revised by previous researchers: Boursin (1952), Sugi (1982, 1984), Kononenko (1990), Sviridov (1990), Hreblay, and Dufay, etc. However, most of the taxa, especially those of subspecific rank, have been left with uncertainties to date. These bring some confusion to the taxonomic and faunistic study on the Noctuidae, not only in Korea, but also in the Far East Region. In 1992, the author visited the Swedish Museum of Natural History to examine Bryk's materials. Results in this paper are based on his examination of type materials, with all available information on the taxa established by Bryk. Bryk's type specimens were usually accompanied by several kinds of the label as follows: 1) the standard labels printed with data of locality, year of collecting and name of collector, and handwriting with collecting date (day and month) on the upperside; 2) the red labels printed with "Typus", "Allotypus" or "Paratypus" in a black frame; 3) the white identification labels handwritten by Bryk; 4) in some case, the handwritten labels with reference to photographs in Bryk's publication of "Avbild. Arkiv f. Zool". [Illustrated in Arkiv fur Zoology]. In the case the specimens on loan, they have red quadrate labels with loan number, the year, and the green labels printed as "Riksmuseum Stockholm". Usually the specimens have additional identification labels written by revisers if they were examined before. In the case that genitalia were dissected, another kind of label like as "Preparation No RMS 14 Ch. Boursin", have been attached to the specimens. Under the description of new taxa for the specific group, Bryk designated only one specimen for "Type" from type series, which is the holotype according to the International Code of Zoological Nomenclature (ICZN). The other type specimens, labeled as "Allotype" or "Paratype", are paratypes. There are very few cases that holotype or paratypes were not labeled by Bryk in the collection.

It is worthy to note the correct date when Bryk's article was published. Most recent authors have accepted 1949 as the publication year, but it seems to be incorrect. The first book of "Archiv für Zoology", band 41, hafte 1-2, was separately published and issued in 1948 (the date is indicated at the



**Map 1.** A map showing main type localities of the Noctuidae described by F. Bryk from the Korean Peninsula.

1. "Shuotsu" -N Korea, near Kyeongseong (Hamgyeong bugdo);
2. "Motojondo" -N Korea, (Hamgyeong bugdo);
3. "Gekatsungu" (=Gekatsuru)-N Korea near Shinheong (Hamgyeong namdo);
4. "Myokosan" -N Korea, Mt. Myohyang (Pyongan bukdo);
5. "Chidisan" (=Chirisan)-S Korea, Mt. Jiri (Jeonra namdo or Kyeongsang namdo).

end of the first book as "Tryckt den 14 augusti 1948"-printed on 14 August 1948). Thus, actually this part was published on 14 August 1948 (B. Gustaffson, pers. comm.). The complete volume was issued in 1949 ("Utgivet den 26 January 1949"-issued on 26 January 1949). However, the first book probably was distributed before the edition of the complete volume. Ch. Boursin (1952), who was the first reviser of Bryk's types, cited the year as "Bryk, 1948", not 1949, in his publications. In the present

catalogue, the names of species-group taxa are arranged in alphabetical order with the standard style of data as follows: name of taxon, originally accepted taxonomic category (in a round bracket: sp- species; ssp-subspecies, if-individual form), original combination with author, year and reference for the original description; type locality given in the original description (TL); type material (TM). The data are exactly quoted from labels of Bryk's materials in graphic characters (\*) for handwritten text and in standard characters for printed text. The data on each label are separated by a slash (/). In the case that there are several identical labels, only one is cited. Under the paragraph "ID" (identity), the synonyms and current status for each taxa are given with references related.

Taxonomic changes introduced in the present study are as follows: *Euxoa intracta kurilintracta* Bryk, 1948 to syn. n. of *E. sibirica* (Boisduval, 1832); *Euxoa oberthuri nominata* Bryk, 1948 to syn. n. of *E. subconspicua* (Staudinger, 1881); *Diarsia exusta nolimetangere* Bryk, 1948 to syn. n. of *Sineugraphe bipartita* Graeser, [1889] 1888; *Gelastocera ochroleucana f. designata* Bryk, 1948 to syn. n. of *G. exusta* Butler, 1877; *Moma kolthoffi* Bryk, 1948, stat. n., comb. n.; *Moma fulvicollis* (Lattin, 1949) to syn. n. of *M. kolthoffi* Bryk, 1948; *Moma ludifica azugensis* Bryk, 1948 to syn. n. of *Trichosea ludifica* (Linne, 1758); *Acronicta alni korealni* Bryk, 1948 to syn. n. of *A. alni* (Linne, 1767) *Hydrillodes obscurans* Bryk, 1948 to syn. n. of *H. morosa* (Butler, 1879). *Mythimna turca matsumuriana* Bryk, 1948 to syn. n. of *M. turca* (Linnaeus, 1758); *Mythimna monticola* Sugi, 1981, stat. res., bona species; *Cosmia fulvago korecosmia* Bryk, 1948 to syn. n. of *Xanthia icteritia* (Hufnagel, 1766); *E. koreaplexia* Bryk, 1948, stat. res., bona species; *Euplexia vinacea* Sugi, 1982 to syn. n. of *E. koreaplexia* Bryk, 1948; *Oligia arcta tegulalis* Bryk, 1948 to syn. n. of *Eucarta fasciata* (Butler, 1878); *Dadaica differentiata* Bryk, 1948 to syn. n. of *Athetis albisignata* (Oberthür, 1879); *Zanclognatha triplex koreognatha* Bryk, 1948 to syn. n. of *Z. umbrosalis* (Staudinger, 1892); *Virgo vernalis* Bryk, 1948 to syn. n. of *Virgo datanidia* (Butler, 1885).

The following species from Bryk materials are re-identified and changed:

*Harmodia rivularis mandarina*: Bryk, 1948 → *Hadena rivularis hohey* Yoshimoto, 1989.

*Euxoa intracta*: Bryk, 1942 → *Euxoa sibirica* (Boisduval, 1832).

*Eremodrina morosa permorosa* Bryk, 1948 (part) → *Paradrina* sp. (unidentified species).

*Chasminodes albonitens*: Bryk, 1948 → *Chasminodes albonitens* Bremer, 1861; *Ch. bremeri* Sugi & Kononenko, 1981; *Ch. aino* Sugi, 1956; *Ch. sugii* Kononenko, 1981.

*Chloridea dipsacea adaucta*: Bryk, 1948 → *Heliothis maritima adaucta* (Butler, 1878).

*Zanclognatha celatrix*: Bryk, 1948 → *Paragabara flavomacula* (Oberthür, 1880).

*Zanclognatha punctalis*: Bryk, 1948 → *Polypogon gryphalis* (Denis & Schiffermüller, 1775).

## AN ANNOTATED CATALOGUE OF TYPE MATERIALS

**agalmona (sp)**-*Agrotis agalmona* Bryk, 1948: 64, pl. 6, fig 21. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 10. IX/Typus/\* Rh. *agalmona* ♂. F. Bryk det. 1943/\* Avbild. Ark. f. Zool./\* *Agrotis invenusta* Kozh. ID: A synonym of *Eugraphe versuta* (Püngeler, 1808).

Remarks. The taxon was synonymized by Boursin (1952) with *Amathes invenusta* (Kozhanchikov,

1926) (nec *invenusta* Grote, 1883). Later Boursin (1964) synonymized *A. agalmona*, *A. invenusta* and *A. kozhanchikovi* with *Xestia versuta*, and the former was transferred to *Eugraphe* by Varga.

**amicissima (sp)**-*Blepharita amicissima* Bryk, 1948: 72, pl. 4, fig. 20. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 3. IX/Typus/\* *Blepharita amicissima* ♂, F. Bryk det. 1943/\* Avbild. Ark. f. Zool./RM prep. 2689/Preparation No RMS 26 Ch. Boursin/\* *Crino satura* ♂, Boursin det. ID: A synonym of *Blepharita satura* ([Denis & Schiffermüller], 1775), synonymized by Boursin, 1952.

**amorinia (ssp)**-*Chrysorithrum amatum amorinia* Bryk, 1948: 132, pl. 5, figs 9, 17. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman 27. VI/Typus/\* Avbild. Ark. f. Zool./Ch. *amata* Br. ssp. *coreanus* ♂, F. Bryk det. 1943/Paratype: 1 ♂, with same label, 3. VII/Allotypus/\* Avbild. Ark. f. Zool. ID: A synonym of *Chrysorithrum amatum* (Bremer & Grey, 1853)

Remarks. Bryk's identification label of the holotype is incorrect. The name "*C. amata coreanus*" was not used by Bryk. Both holotype and paratype were illustrated in the original description. The *Chrysorithrum amatum* is highly polymorphic species, thus I consider *C. amatum amorinia* as an individual form, but not a subspecies.

**anderssoni (ssp)**-*Euxoa kaolifeltia anderssoni* Bryk, 1948: 51, pl. 4, fig 11. TL: Mongolia, [Liu P'an Chang]. TM: Holotype: ♂, Mongoliet/China Anders./Typus/28. VII, 20. Liu P'an Chang/*Euxoa kaolifeltia anderssoni* ♂, F. Bryk det. 1945/45/\* Agr. *riparae albovenosa* Tschetv. ♂. Boursin det. Paratypes: 3 ♂, Mongoliet/China Anders./not indicated in the collection. ID: A synonym to *Agrois ripae* (Hübner, 1823) ssp. *albovenosa* Tschetverikov, 1925, synonymized by Boursin, 1952.

**andropoda (ssp)**-*Moma ludifica andropoda* Bryk, 1948: 50. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman \* 22. VIII/Typus/\* *M. ludifica* (L.) ssp. *andropoda* ♂, F. Bryk det 1945. ID: A synonym of *Trichosea ludifica* (Linnaeus, 1758).

Remarks. The specimens do not differ from European ones of *T. ludifica*.

**arabesca (if)**-*Cauninda anneta* f. *arabesca* Bryk, 1948: 123. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 28. VI/Typus. Paratypes: 3 ♂, 1 ♀, with same labels, 24. VI, 22. VII, not indicated in the collection. ID: A synonym of *Mocis annetta* (Butler, 1878).

**azugensis (ssp)**-*Moma ludifica azugensis* Bryk, 1948: 51, Pl. 1, fig. 8. TL: Europe, Romania, Azuga. TM: ♀, Romaenia Azuga ex coll. Neuburger/Typus/*M. ludifica* (L.) ssp. *azugensis* ♂, F. Bryk det. 1945/\* Avbild. Ark. f. Zool. ID: A junior synonym (**syn. n.**) of *Trichosea ludifica* (Linnaeus, 1758).

Remarks. The holotype is an individual form of *T. ludifica* (L.). Large female has sharper pattern of forewing and usually much darker hindwings. The genitalia of female identical to *T. ludifica* from N. Europe, Sweden. This taxon was omitted in the catalogue of the Noctuidae of the World (Poole, 1989).

**benesignata (if)**-*Cucullia maculosa shuotsuensis* f. *benesignata* Bryk, 1948: 87, pl. 4, fig. 15. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 25. VIII/Typus/C. *benesignata* ♂, F. Bryk det. 1943/\* Avbild. Ark. f. Zool. ID: Infrasubspecific name, a synonym of *Cucullia maculosa* Staudinger, 1892.

**bergmani (ssp)**-*Sideridis insecuta bergmani* Bryk, 1948: 83. TL: Korea, "Gekatsuru". TM: Holotype: ♂, Korea, Gekatsuru 1935 Sten Bergman 13. VII/Typus/Sid. *insecuta* (Wlk.) ssp. *bergmani* ♂. 271 83. ID: A synonym to *Mythimna pudorina* ([Denis & Schiffermüller], 1775), synonymized by Sugi (1984).

**cedermarki (sp)**-*Erythrotis cedermarki* Bryk, 1948: 78. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman 22. VI-2. VII/Typus/\* *Erythrotis* (n. g.) *cedermarki* n. sp., F. Bryk det. 1947/ID: *Orthosia cedermarki* (Bryk, 1948), a good species.

Remarks. The data of collecting in the label and the original description probably are incorrect, this species flies in the early-middle Spring. The genus *Erythrotis* Bryk, 1948 (type species: *cedermarki* Bryk, 1948) is currently considered as a synonym of *Orthosia* Ochsenheimer, 1816. However in further revision of *Orthosia* generic complex, it may be erected to subgenus or a good genus.

**chalcogramma (sp)**-*Oruza chalcogramma* Bryk, 1948: 112, pl. 5, fig. 7. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 19. VII/Typus/*Oruza chalcogramma*, F. Bryk det. 1947/157 83/Riksmuseum Stockholm./ID: *Maliattha chalcogramma* (Bryk, 1949), a good species.

Remarks. According to Sugi (1986, 1994), *Maliattha chalcogramma* is a distinct species, but misidentified by authors as a North Indian sister species, *M. vialis* (Moore, 1882). The moth and male genitalia of *M. chalcogramma* Bryk were illustrated by Sugi (1982) in *Moths of Japan*, pl. 197: 19, 20 and 374: 3 as *M. vialis*.

**chidisana (ssp)**-*Aplecta mongolica chidisana* Bryk, 1948: 76. TL: S Korea, [Jiri Mt.] Chidisana. TM: Holotype: S Korea Chidisana 1936 Sten Bergman 19. VII/Typus/ssp. *chidisana* Bryk ♀ (Typus), F. Bryk det. 1945/219 83/Biksmuseum Stockholm. ID: A synonym to *Polia bombycina grisea* (Butler, 1878), synonymized by Kononenko (1990).

Remarks. Poole (1989) referred this taxon as a subspecies of *Polia mongolica* Staudinger, 1896 and cited the latter as a distinct species. However "*Aplecta mongolica*" *chidisana* is a synonym of *Polia bombycina grisea* (Butler, 1878).

**chidisana (ssp.)**-*Hyperoides grandis chidisana* Bryk, 1948: 80. TL: S Korea, [Jiri Mt.] Chidisana. TM: Holotype: S Korea, Chidisana 1936/20. VIII. Chidisana/Typus/\* Holotype, *M. grandis chidisana* Bryk, det. S. Sugi, 1982/202 83/Riksmuseum Stockholm/123 90/Gen prep. No 1623 *Mythimna grandis* Butl, 1786/det. M. Hreblay/RM prep. 8853. ID: A synonym to *Mythimna grandis* (Butler, 1876), synonymized by Sugi (1984).

**chosenana (ssp)**-*Bocana spacoalis chosenana* Bryk, 1948: 150, pl. 6, fig 12. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 24. VII/Typus/\* Avbild. Ark. f. Z./\* *Bocana spacoalis* Wil. ssp. *chosenana* ♂, F. Bryk det. 1943. ID: A synonym to *Bertula bistrigata* (Staudinger, 1888), synonymized by Inoue & Sugi (1958).

**chosenbaja (ssp)**-*Diarsia baja chosenbaja* Bryk, 1948: 68. TL: S Korea, Jiri Mt. [Chidisan]. TM: Holotype: ♂, Korea Chidisan 1936 Sten Bergman 19. VIII/Typus/174/Preparation No RMS 22 Ch. Boursin/RM. prep. 2631/\* *Amathes tabida chosenbaja* Bryk ♂, Boursin det. Paratype: 1 ♂, with same label/Preparation No RMS 23 Ch. Boursin RM Prep. 2630. ID: A synonym to *Xestia tabida* (Butler, 1878), synonymized by Boursin (1952).

**chosenicola (ssp)**-*Sideridis pallens chosenicola* Bryk, 1948: 86, pl. 4, fig. 22. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 19. VI/Typus/S. *chosenicola* ♂, F. Bryk det. 1947/Riksmuseum Stockholm/125 90/\* *Mythimna (Aletia) chosenicola* Bryk, 1949/gen. prep 1630/det. M. Hreblay/RM prep. 8857. Paratype: 1 ♂, with same label, not indicated in the collection ID: *Mythimna chosenicola* Bryk, 1948, a good species (Sugi, 1984, Poole, 1989, Yoshimatsu, 1994).

**chosensis (ssp)**-*Polia conspersa chosensis* Bryk, 1948: 74, pl. 4, fig 18. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 25. VIII/Typus \* *Harmodia nana coreana*, F. Bryk det. 1943/\* Avbild. Ark. f. Zool. Paratypes: 1 ♀, 1 ♂ with same labels, 25. VIII, 4. VII, ♀ indicated as "Allotypus". ID: *Hadena dealbata* (Staudinger, 1892), synonymized by Sugi (1982).

Remarks. The identification label of the holotype "*Harmodia nana coreana*" is incorrect, this name was not used by Bryk. The specimen was illustrated and described in the original description as *Polia conspersa chosensis*.

**chosensis (ssp)**-*Zanclognatha tarsioplumalis chosensis* Bryk, 1948: 145. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 21. VII/Typus. Paratype: 1 ♀ with same label/Allotypus. ID: A synonym to *Zanclognatha lunalis* (Scopoli, 1763) (Poole, 1989).

**chosenula (sp)**-*Bomolocha chosenula* Bryk, 1948: 153. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman/Typus/*Bomolocha chosenula* ♂, F. Bryk det. 1946/85 88/Riksmuseum Stockholm. ID: A synonym to *Hypena conspersalis* (Staudinger, 1888), synonymized by Sviridov (1990).

**columbina (ssp)**-*Chersotis deplanata columbina* Bryk, 1948: 63, pl. 4, fig 12. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 4. VIII/\* *A. deplanata* ssp. *columbina*, F. Bryk det. 1943/Typus/\* Avbild. Ark. f. Zool./214 83/Riksmuseum Stockholm/\* *Chersotis deplanata columbina* 228; Paratypes: 1 ♀, 4 ♂ with same labels; ♀. indicated as /Allotypus 26. VIII/\* Avbild. Ark. f. Zool. 215 83. ID: A synonym of *Chersotis deplanata* (Freyer, 1844). Sugi (1982) first used the

name *columbina* as a synonym of *C. deplana*.

Remarks. No distinctive characters in subspecific rank were found between Siberian, Primoryan and Korean specimens of *C. deplana*.

**coreana (ssp)**-*Hyperioides grandis coreana* Bryk, 1948: 79. TL: N Korea, Motojondo. TM: Holotype: ♂, Korea Motojondo 1936 Sten Bergman 4. VIII/Syntype *M. grandis coreana* Bryk det S. Sugi 1982 222 83/Riksmuseum Stockholm/269/124 90/Gen. prep. No 1621 *Mythimna grandis* Butler 1878/det M. Hreblay/RM prep. 8852. Not indicated as "Typus" in the collection. Paratypes: (Not indicated as "Paratypus" in the collection) 2 ♀, with same labels, 30. VII; 1 ♀, Shuotsu, 30. VII/223 83/Riksmuseum Stockholm/, all with labels \* "Syntype, *M. grandis coreana* Bryk, det. S. Sugi 1982. ID: *Mythimna grandis* Butler, 1878, synonymized by Sugi (1984).

**coreana (ssp)**-*Lithacodia fasciana coreana* Bryk, 1948: 111. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman 21. VII/Lectotype m/\* *L. fasciana coreana* Bryk, det. S. Sugi 1982/160 83. Paratype: 1 ♂, with same label, 27. VI/Paralectotype ♂/*L. fasciana coreana* Bryk/Riksmuseum Stockholm/324. ID: A synonym to *Protodeltote pygarga* (Hufnagel, 1766), synonymized by Poole, 1989.

Remarks. The types was not indicated in the collection, therefore Sugi designated the lectotype.

**coreina (ssp)**-*Parastichtis veterina coreina* Bryk, 1948: 91 TL: N Korea, Shuotsu. TM: Holotype ♀, Korea, Shuotsu 1935 Sten Bergman/Typus/\* *P. veterina* Led. ssp. *coreina* ♂, F. Bryk det. 1943/Paratypes: 3 ♂, 3 ♀, with same labels, not indicated as paratypes. ID: A synonym to *Apamea veterina* (Lederer, 1853) ssp. *haelseni* (Graeser, [1890] 1889).

Remarks. The taxon is conspecific with *A. v. haelseni*, described from Amur region.

**cupreina (ssp)**-*Amphipyra livida cupreina* Bryk, 1948: 89. TL: N Korea, Shuotsu. TM: Holotype (Lectotype): ♂, Korea, Shuotsu 1935 Sten Bergman 2. IX/Paratypes: 3 ♀, with same labels, 19, 27, 29. VIII. ID: *Amphipyra livida* (Denis & Schiffermüller, 1775).

**designata (if)**-*Gelastocera ochroleucana* f. *designata* Bryk, 1948: 115. SYN. N. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 22. VIII/Typus/\* *G. ochroleucana* f. *designata*, F. Bryk det. 1943/149 83/Riksmuseum Stockholm. Paratypes: 1 ♀, 1 ♂, with same labels, indicated as "Allotypus" and "Paratypus". ID: A synonym (**syn. n.**) of *Gelastocera exusta* Butler, 1877.

Remarks. Poole (1989) referred this name as a synonym of *G. ochroleucana* Staudinger, 1892, however it is related to *G. exusta*.

**differentiata (sp)**-*Aplecta differentiata* Bryk, 1948: 76, pl. 4, fig. 1. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman 25. VIII/\* *A. differentiata* ♂, F. Bryk det. 1943/188/Riksmuseum Stockholm/\* *Mamestra illoba* Butl, Boursin det. ♀. ID: A synonym to *Sarcopolia illoba* (Butler, 1879), synonymized by Boursin, 1852.



***differentiata* (sp)**-*Dadaica differentiata* Bryk, 1948: 105. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman 13. VII/Typus/\* Avbild. Ark. f. Zool./\* *D. lineosa*? ssp. *differentiata* ♂, F. Bryk det. 1943/316 89/Riksmuseum Stockholm. Paratype: ♂, with same label, 24. VI, indicated as "Allotypus". ID: A synonym (**syn. n.**) to *Athetis albisignata* (Oberthür, 1879).

Remarks. Poole (1989) referred this taxon as a synonym of *A. lineosa* Moore, 1888, however the syntypes are conspecific with *A. albisignata*.

***draudtiphila* (ssp)**-*Sideridis incognita draudtiphila* Bryk, 1948: 85. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 12. VI/\* Holotype, *draudtiphila* ♂, det. S. Sugi, 1982/221 83/Riksmuseum Stockholm/*Mythimna (Analetia) postica* Hampson, 1905/gen.prep 1631/det. M. Hreblay ID: A synonym to *Mythimna (Anapoma) postica* (Hampson, 1905), synonymized by Sugi, 1984.

***dubitatrix* (sp)**-*Rivula dubitatrix* Bryk, 1948: 139, pl. 5, fig. 15. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 20. VII/Typus/\* *Rivula dubitatrix* ♂, F. Bryk det. 1943/79 88/Riksmuseum Stockholm. ID: A synonym to *Rivula sericealis* (Scopoli, 1763), synonymized by Sviridov (1990).

***eminentissima* (ssp)**-*Gelastocera exusta eminentissima* Bryk, 1948: 116. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman 18. VIII/Typus/\* *G. eminentissima* Bryk, F. Bryk det. 1943/152 83/Riksmuseum Stockholm. Paratypes: 1 ♂, with same label, indicated as "Allotypus", 24. VIII, 1 ♀, with same label, 29. VIII, not indicated. ID: *Gelastocera eminentissima* Bryk, 1948 (= *rubra* Kononenko, 1984), a good species.

Remarks. Poole (1989) referred this taxon as a synonym (subspecies) of *G. exusta*. On my opinion (Kononenko, 1990) it is a good species and distinct from *G. exusta*, and it is a senior synonym of *Gelastocera rubra* Kononenko, 1984. However, the nomenclature of Far-Eastern *Gelastocera* spp. may be changed after further revision (Sugi, Kononenko, in litt.).

***geminea* (ssp)**-*Parastichtis funerea geminea* Bryk, 1948: 90, pl. 4, fig. 16. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman/Allotypus/\* Avbild. Ark. f. Zool./\* *P. funerea* ssp. *geminea* ♂, F. Bryk det 1943. Paratypes: 1 ♂, with same label/Paratypus/190/RM prep. 2655/\* *Trachea oriens* Warr. bona sp.! ♂, (*funerea geminea* Bryk) Boursin det.; 4 ♀, with same labels, 18, 19, 26. VIII, not indicated as paratypes. ID: A synonym of *Apamea aquila* (Donzel, 1837) ssp. *oriens* (Warren, 1911), synonymized by Boursin (1952).

Remarks. The holotype was incorrectly indicated by Bryk as "Allotypus", however just this specimen was illustrated in the original description as "typus". Boursin (1952) synonymized this taxon with *Apamea oriens* (Warr.) which currently is considered as *Apamea aquila oriens* (Sugi, 1982).

***gnosis* (ssp)**-*Trachea atriplicis gnosis* Bryk, 1948: 94, pl. 5, fig. 19. TL: N Korea, Shuotsu. TM: Lectotype (designated here) ♀, Korea, Shuotsu 1935 Sten Bergman 27. VIII/Typus/191 83.

Paralectotypes: 1 ♀ 2 ♂, with same labels, indicated as paratypes. ID: A synonym to *Trachea atriplicis* (Linnaeus, 1758) ssp. *gnoma* (Butler, 1878), synonymized by Kononenko (1990).

Remarks. A holotype was not designated in the original description, I designate here the specimen, indicated as "Typus" as a lectotype.

**gnostica (if)**-*Trachea atriplicis gnosis* f. *gnostica* Bryk, 1948: 94. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 3. VIII/Typus/\* *Trachea atriplicis gnosis* f. *gnostica*, F. Bryk det 1943/198 83. Paratypes: 1 ♂, 1 ♀, Shuotsu, 23. VIII, 22. VII-not found. ID: Infrasubspecific form, a synonym of *Trachea atriplicis* (Linnaeus, 1758) ssp. *gnoma* (Butler, 1978), synonymized by Kononenko (1990)

**graciosissima (sp)**-*Toxocampa graciosissima* Bryk, 1948: 131, pl. 5. fig. 4. TL: Korea, "Gekatsuru". TM: Holotype: ♂, Korea, Gekatsuru 1935 Sten Bergman 13. VII/Typus/\* *T. graciosissima* [sic!] Bryk, F. Bryk det./78 88/Riksmuseum Stockholm/*Lygephila pastinum* (Tr.)=*Toxocampa graciocissima* Bryk, syn. n. A. Sviridov det. Paratypes: 3 ♂ with same labels, 4. VIII, 16. VIII, 13. VII. ID: A synonym of *Lygephila pastinum* (Treitschke, 1826), synonymized by Sviridov (1990: 98).

Remarks. Poole (1989) incorrectly referred this taxon as a distinct species.

**grammomima (ssp)**-*Agrotis corticea grammomima* Bryk, 1948: 62, pl. 4, fig 3. TL: N Korea, Motojondo. TM: Holotype: ♂, Korea Motojondo 1935 Sten Bergman 4. VIII/Typus/\* Avbild. Ark. f. Zool. Bryk/\* *A. corticea* ssp. *grammomima* ♂. F. Bryk 1943. ID: A synonym *Agrotis clavis* (Hufnagel, 1766) ssp. *amurensis* Staudinger, 1892, synonymized by Boursin, 1952.

**griseata (ssp)**-*Ephesia dissimilis griseata* Bryk, 1948: 118, pl. 5, fig 20. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 21. VIII/Typus/\* *Ephesia dissimilis* ssp. *griseata* ♂ (i.l.), F. Bryk det. 1942. Paratype: 1 ♂, with same label/Paratypus/\* Avbild. Ark. f. Zool. ID: A synonym to *Catocala dissimilis* Bremer, 1861.

Remarks. No distinctive characters between Amur (type locality), Primoryan and Korean populations of *C. dissimilis* Bremer are found.

**hexagona (ssp)**-*Sphragidifera biplaga* (sic!) *hexagona* Bryk, 1948: 108, pl. 5, fig 21. TL: Japan, Karuizawa. TM: Holotype: Japan, Karuizawa, Ida Troizig/Typus/\* *Sphragifera biplaga* Walk./163 83/Riksmuseum Stockholm/\* Avbild. Ark. f. Zool. ID: A synonym to *Sphragifera biplagiata* (Walker, 1865)

Remarks. The generic name *Sphragidifera* Bryk, 1948 is a unjustified emendation of *Sphragifera* Staudinger, 1892. The specific name, *Acontia biplagiata*, was proposed as an objective replacement name for *Acontia biplaga* Walker, [1858], a junior primary homonym of *Acontia biplaga* Guenee, [1852] (Poole, 1989).

**idae (ssp)**-*Panthea coenobita idae* Bryk, 1948: 50, pl. 1, fig 23. TL: Japan, Karuizawa. TM: Holotype: Japan, Karuizawa, Ida Troitzig/Typus/\* *P. coenobita idae* Bryk, F. Bryk det. 1943/\* *Dipthera coenobita*/; Paratypes: 3 ♂, 2 ♀ with same labels, 1 ♀. indicated as "Allotypus" and supplied by label "Avbild Ark f. Zool.", rest specimens not indicated as paratypes. ID: *Panthea coenobita idae* Bryk, 1948, a subspecies.

Remarks. Externally moths are a little lighter than *P. c. ussuriensis* (Warnecke, 1917) and currently considered as Japanese subspecies (Sugi, 1982)

**japonibia (ssp)**-*Cucullia maculosa japonibia* Bryk, 1948: 87, pl. 4, fig 7. TL: Japan, Karuizawa. TM: Holotype: ♀ Japan, Karuizawa, Winklerfelt/Typus/233 83 Riksmuseum Stokholm. Paratype: 1 ♀, *japonibia*/\* Avbild. Ark f. Zool., not indicated as paratype, but illustrated in the original description. ID: A synonym to *Cucullia maculosa* Staudinger, 1892, synonymized by Inoue & Sugi (1958).

**japonibia (ssp)**-*Parallelia algira japonibia* Bryk, 1948: 122, pl. 5, fig. 2. TL: Japan, Kobe. TM: Holotype: ♀, Japan, Kobe Ida Troitzig/Typus/\* *P. algira* (L.) ssp. *japonibia* ♂, F. Bryk det. 1943/Avbild Arkiv f. Zool. ID: A synonym to *Dysgonia stuposa* (Fabricius, 1794), synonymized by Inoue & Sugi (1958).

**japonibia (ssp)**-*Phytometra festucae japonibia* Bryk, 1948: 125. TL: Japan, Yokohama. TM: Holotype and 2 paratypes with labels "Yokohama, 24. V. 1911" not found in the collection of NHRM. ID: A synonym of *Plusia festucae* (Linnaeus, 1758) (Sugi, 1982, Poole, 1989).

Remarks. The type specimen of *P. f. yokohamensis* Bryk was sent in 1968 to Dr. Dufay for the examination but was not returned back. The taxon was originally synonymized by Inoue & Sugi (1958) with *P. putnami* (= *festata*) then by Sugi (1982) with *P. festucae*. Poole (1989) referred this taxon as a synonym of *P. festucae*.

**kamtschadala (ssp)**-*Phytometra festucae kamtschadala* Bryk, 1948: 125. TL: Russia, Kamchatka Peninsula. TM: Holotype (♂, Kamchatka, Malaise leg.) not found in the collection of NHRM. ID: A synonym of *Plusia festucae* (Linnaeus, 1758) (Poole, 1989).

Remarks. The type specimen of *P. f. yokohamensis* Bryk was sent in 1968 to Dr. Dufay for the examination, but was not returned back.

**kaolicussa (sp)**-*Euxoa aquilina kaolicussa* Bryk, 1948: 60, pl. 2, fig 2. TL: N Korea, Motojondo. TM: Holotype: ♂, Korea Motojondo 1935 Sten Bergman 23. VII/Typus/\* Avbild. Ark. f. Zool. Bryk/\* *E. coreacussa* [sic!] ♂, F. Bryk det. 1943. ID: A synonym to *Euxoa novoobscurior* Bryk, 1942, synonymized by Boursin (1952).

Remarks. The name *novoobscurior* was proposed (Bryk, 1948: 57) as an objective replacement name for *Agrotis tritici* var. *obscurior* Staudinger, 1892, a junior primary homonym of *Agrotis collers* var. *obscurior* Stgr., 1889 (Poole, 1989).

**kaolifeltia (sp)**-*Euxoa kaolifeltia* Bryk, 1948: 60, pl. 4, fig 19. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman 22. VII/Typus/Paratypes: 1 ♀, 3 ♂ with same labels: ♀-21. VII, indicated as "Allotypus", 3m; 25. IV, 2. VII, 4. VII. 1935 indicated as "Cotypus". One male with additional label: 162/preparation No RSM 13/\* *Agrotis scotacra* Fil. ♂, Boursin det.; one male with label: \* *Agrotis kaolifeltia*, F. Bryk det. 1943/\* Avbild. Ark f. Zool./\* *Agrotis scotacra* Fil. ♂, Boursin det. ID: A synonym of *Agrotis scotacra* (Filipjev, 1926), synonymized by Boursin (1952).

**kaolina (sp)**-*Euxoa kaolina* Bryk, 1948: 57, pl. 3, fig. 1. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman \* 24. VI/Typus/\* *E. kaolina* ♂, Bryk det. 1945/158/\* *Rusidrina depravata* Butl. (Zenob.) ♂, Boursin det. ID: A synonym of *Spodoptera depravata* (Butler, 1879), synonymized by Boursin, 1952.

**kaolina (ssp)**-*Athetis grisea kaolina* Bryk, 1948: 101. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 25. VIII/Typus/Ath. *grisea* Ev. ssp. *kaolina* ♂./Riksmuseum Stockholm/387 64/R.M. prep. 3950/Preparation RMS 61 Ch. Boursin/*Caradrina albina apatetica* Pglr. ♂, Boursin det. 179 83 Riksmuseum Stockholm/170 83/. Paratypes: 2 ♂, 2 ♀, with same labels, indicated as "Paratypus" and "Allotypus". ID: A synonym to *Platyperigea montana* (Bremer, 1861), synonymized by Kononenko (1990).

**kolthoffi (ssp)**-*Diphtera alpium kolthoffi* Bryk, 1948: 52, pl. 2, fig 9. TL: China, Chinkiang Mts. (?) Prov. Kiangsu [Jiangsu]. TM: Holotype: ♀, Provins Kiangsy/Shina Kolthoff/Sept./Typus/*Diphtera alpium* ssp. *kolthoffi*, F. Bryk det. 1945. Typ: ♀./Chinkiang-Gebirge Sept. 21. ID: *Moma kolthoffi* (Bryk, 1948), **stat. ress., comb. n.**, full species, a senior synonym of *Moma fulvicollis* (De Lattin, 1949), **syn. n.**

Remarks. This taxon was considered by author as a synonym of *Moma alpium* (Linnaeus, 1758). However, its holotype is a distinct species. In external appearance this species differs from *M. alpium* by brown colorated patagias (*M. alpium* has black coloration of patagias). This character is quite constant and may be used for external definition of *M. alpium* and *M. fulvicollis*. On my opinion the holotype of *M. a. kolthoffi* is conspecific with *M. fulvicollis*. The name *kolthoffi* has a priority, because it was published on 1948 or at least on early of 1949 (January, 26), while the name *fulvicollis* was published on 15 July 1949 (De Lattin, 1949). The male genitalia of *M. fulvicollis* was illustrated in the original description. The moths and male genitalia of both taxa, *alpium* and *fulvicollis* were illustrated by Sugi (1982).

**koreaegena (ssp)**-*Polia mongolica koreaegena* Bryk, 1948: 75, pl. 4, fig. 10. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman 26. VIII/Typus/A. *adjuncta* *koreaegena* ♂. F. Bryk det. 1943/218 83/Riksmuseum Stockholm/Paratypes: 1 ♀, with same label, 18. VIII, indicated as "Allotypus", 1 ♂, 3 ♀ with same labels, 1 ♂: Korea Motojondo 1935 Sten Bergman 18. VIII. ID: *Polia bombycina grisea* (Butler, 1878), synonymized by Kononenko (1990)

Remarks. Poole (1989) referred this taxon as a subspecies of *Polia mongolica* Staudinger, 1896 and

cited the latter as a distinct species. However *Polia bombycina mongolica* is a Siberian-Mongolian subspecies of *Polia bombycina* (Hufnagel, 1766). "*Aplecta mongolica*" *koreaegena* Bryk does not differ from *Polia bombycina grisea* (Butler, 1878) and is a synonym of the latter.

**koreago (ssp)**-*Xanthoecia flavago koreago* Bryk, 1948: 104, pl. 6, fig 10. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 26. VIII/Typus/X. *flavago* ssp. *koreago*, F. Bryk det. 1943/167 83/Riksmuseum Stockholm./ID: A junior synonym to *Gortyna fortis* (Butler, 1878), synonymized by Kononenko (1990).

Remarks. Poole (1989) referred this taxon as a synonym (subspecies) of *Gortyna flavago* ([Denis & Schiffermüller], 1775). However *X. f. koreago* is conspecific with *G. fortis*. The western Palearctic species *G. flavago* is not distributed in the Far East.

**korealgaе (ssp)**-*Metachrostis algaе korealgaе* Bryk, 1948: 55. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman 29. VIII/Typus/\* *Br. algaе* ssp. *korealgaе* F. Bryk det 1943/121/\* Avbild. Ark f. Zool./\* *Cryphia splendida* O. B-H, ♀, Boursin det. ID: A synonym of *Cryphia griseola* (Nagano, 1918)

Remarks. Boursin (1952) synonymized this taxon with *C. splendida* O. Bang-Haas, 1927, a synonym of *C. griseola* (see Inoue & Sugi, 1958). *C. algaе* (Linnaeus, 1758) is western palearctic species and does not distributed in the Far East.

**korealni (ssp)**-*Acronicta alni korealni* Bryk, 1948: 53. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 22. VII/Typus. ID: A synonym (**syn. n.**) of *Acronicta alni* (Linnaeus, 1767).

Remarks. Poole (1989) referred this taxon as a subspecies of *A. alni*. However, the type specimen has not distinctive characters as subspecific rank.

**koreana (ssp)**-*Hypena conspersalis koreana* Bryk, 1948: 154. TL: M Korea TM: Holotype: ♂, Korea Gekatsugu 1935 Sten Bergman 13. VII/Typus/*H. conspersalis* Stgr. ssp. *koreana* Bryk ♂, F. Bryk det. 1945. Paratypes: 2 ♂, Korea Shuotsu 1935 Sten Bergman 2. VII, 21. VII, not indicated. ID: A synonym of *Hypena conspersalis* (Staudinger, 1888).

Remarks. No distinctive characters between Primorye and Korea populations of this species are found.

**koreaplexia (sp)**-*Euplexia koreaplexia* Bryk, 1948: 95, pl. 4, fig 24. **bona sp., stat. ress.** TL: N Korea, Shuotsu. TM: Holotype : ♂, Korea, Shuotsu 1935 Sten Bergman 23. VII/189 83/Typus/Riksmuseum Stockholm/\* Avbild. Ark. f. Zool. ID: *Euplexia koreaplexia* Bryk, 1948 is a good species, a senior synonym of *Eulexia vinacea* Sugi, 1982 (**syn. n.**).

Remarks. The name *E. koreaplexia* was incorrectly synonymized by Kononenko (1990) with *E. lucipara* (Linnaeus, 1758). However, in fact, it is a good species and conspecific with *E. vinacea* (Kononenko, in litt.).

**korebia (ssp)**-*Hyssia cavernosa korebia* Bryk, 1948: 77. TL: Korea, "Gekatsuru". TM: Holotype: ♂, Korea, Gekatsuru 1935 Sten Bergman 13. VII/Typus/\* *Hyssia cavernosa chosensis* [sic!] Bryk, F. Bryk det. 1943. Paratypes: 2 ♂ with same labels, indicated as "Allotypus" and "Paratypus", 1 ♂, Korea, Shuotsu 1935 Sten Bergman 23. VII, not indicated. ID: A synonym to *Hyssia cavernosa* (Eversmann, 1842)

Remarks. The name "chosensis" in the identification label is incorrect, it was not used by Bryk.

**korecosmia (ssp)**-*Cosmia fulvago* (Linnaeus) ssp. *korecosmia* Bryk, 1948: 88. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman/Typus/\* *C. fulvago* ssp. *korecosmia* ♂, F. Bryk det 1943. ID: A junior synonym (**syn. n.**) of *Xanthia icteritia* (Hufnagel, 1766)

Remarks. The holotype of *C. f. korecosmia* Bryk is conspecific with *X. icteritia*. Poole (1989) treated *korecosmia* as a synonym (ssp.) of *Xanthia fulvago* (Clerck, 1759). However, *X. fulvago* (Cl.) is a junior synonym of *Agrochola helvola* (Linnaeus, 1758). *X. fulvago* sensu Linnaeus in reality is *Xanthia icteritia*. The name *fulvago*, with Linnaeus given as author has been used by some authors for the species, *X. sulphurago* (Denis & Schiffermüller, 1775) (Mikkola, 1985). Both species, *Agrochola helvola* and *X. sulphurago* are not distributed in the Far East.

**koreognatha (ssp)**-*Zanclognatha triplex koreognatha* Bryk, 1948: 147, pl. 5, fig. 13. SYN.N. TL: N Korea, Motojondo TM: Holotype: Paratypes: Holotype: ♂, /Typus/Korea Motojondo 1935 27. VII, Sten Bergman/Z. *triplex* Leech ssp. *koreognatha* ♂, F. Bryk det/\* Avbild. Ark. f. Zool./ID: A synonym (**syn. n.**) of *Zanclognatha umbrosalis* (Staudinger, 1892).

Remarks. The genitalia of the holotype are corresponded to those of *Z. umbrosalis*, illustrated by Remm & Martin (1979) and Owada (1987). In the former publication, *Z. umbrosalis* referred as *Z. leechi* (South), a junior synonym of *Z. umbrosalis* synonymized by Sviridov, 1991.

**koreothauma (ssp)**-*Panthauma egregia koreothauma* Bryk, 1948: 54, Pl. 3, fig. 8. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman 20. VII/Typus/\* *P. egregia koreothauma* ♂, F. Bryk det 1943/\* Avbild. Ark f. Zool./Paratype: ♀, with same label./25. 8./Paratype/.ID: A synonym (**syn. n.**) of *Panthauma egregia* Staudinger, 1892.

Remarks. Poole (1989) cited this taxon as a subspecies of *P. egregia*. No distinctive characters as subspecific rank between Primoryan (type locality) and Korean population of *P. egregia* are found.

**koresinna (ssp)**-*Sinna extrema coresinna* Bryk, 1948: 113. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman/Typus/\* *S. extrema* Walk. *koresinna* ♂. F. Bryk det. 1943. ID: A synonym to *Sinna extrema* (Walker, 1865), synonymized by Inoue & Sugi (1958).

**kukunorensis (ssp)**-*Sideridis velutina kukunorensis* Bryk, 1948: 82. TL: China, "Kukunor". TM: Holotype: ♂, Kukunor, China s. occ/Typus/225 83/Riksmuseum Stokholm. ID: A synonym to *Mythimna velutina* (Eversmann, 1846) (Poole, 1989).

***kurilensis* (ssp)**-*Phytometra festucae kurilensis* Bryk, 1948: 125. TL: Russia, Kunashir Isl., Tomari [Golovnino]. TM: Holotype ♂, (Kunashir, Tomari, Sten Bergman) not found in the collection of NHRM. ID: This taxon is currently considered to be a junior synonym of *Plusia festucae* (Linnaeus, 1758) (Poole, 1989: 813).

Remarks. The type specimen of *P. f. kurilensis* Bryk was sent in 1968 to Dr. Dufay for examination, but was not returned back.

***kurilintracta* (ssp)**-*Euxoa intracta kurilintracta* Bryk, 1948: 56. TL: Russia, Kunashir Isl., Furukumappu [Yuzhnokurilsk]. TM: Holotype: ♂, Ins Kunashiri Furukumappu S. Bergman/155/Holotype *kurilintracta*/218 83/Riksmuseum Stockholm/\* *E. intracta kurilintracta*, Kunashir N 217a/Paratypes: 1 ♀, with same label/Allotypus and 1 ♂, Kunashir Tomari [Golovnino] S. Bergman/Paratype. ID: A synonym (**syn. n.**) of *Euxoa sibirica* (Boisduval, 1832).

Remarks. Poole (1989) referred this species as a synonym (subspecies) to *Euxoa intracta* Walker, 1903 (Nepal). However, the type is conspecific with *Euxoa sibirica*. The species reported by Bryk from Korea as *Euxoa intracta*, in reality, is misidentified specimen of *Euxoa sibirica*.

***leechiana* (ssp)**-*Eustrotia candidula leechiana* Bryk, 1948: 111. TL: Korea, "Gekatsuru". TM: Holotype: ♂, Korea, Gekatsuru 1935 Sten Bergman 13. VII/Typus/\* *E. candidula leechiana* ♂, F. Bryk det. 1943/158 83/Paratypes: 1 ♀, with same label, \* Avbild. Ark. f. Zool./Allotype; 4 ♂, 2 ♀, Gekatsuru, 3 m, Shuotsu, 1 ♂, Motojondo. ID: A synonym to *Pseudeustrotia candidula* ([Denis & Schiffermüller], 1775).

***marginepicta* (ssp)**-*Monima paromoea marginepicta* Bryk, 1948: 80. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 10. VIII/Sten Bergman/Typus/*M. paromoea* ssp. *marginepicta* F. Bryk det. 1947/136 54/Riksmuseum Stockholm/388 64/RM Prep. 3949/Preparation RMS 58 Ch. Boursin/\* *Hoplodrina euryptera* Brsn. ♂, Boursin det./224 83. ID: A synonym of *Hoplodrina euryptera* Boursin, 1937.

Remarks. The name *marginepicta* is currently considered as a synonym of *Hoplodrina implacata* (Wileman & West, 1929). Originally Sugi (1960:25) synonymized this name with *Hoplodrina euryptera* Boursin, 1937, then he synonymized both taxa (Sugi, 1982: 371) with *Hoplodrina implacata*. However the *H. implacata* complex is represented as a unrevised group, at least, with 5 sister species in the Far East. After revision of this group I restored status *H. euryptera* to distinct species, separated from *H. implacata* (Kononenko, in litt.).

***matsumuriana* (ssp)**-*Hyperoides turca matsumuriana* Bryk, 1948: 79. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 3. VII/Typus. Paratypes: 2 ♂, with same labels, 24. VII, with labels: Syntype/\* *M. turca matsumuriana* Bryk, det. S. Sugi, 1982/221 83, 220 83/Riksmuseum Stockholm/268; non-type specimens: 7 ♂, 3 ♀, Japan Karuizawa Winklerfelt/*Mythimna monticola* Sugi Det. Sugi, 1982. ID: A synonym (**syn. n.**) of *Mythimna turca* (Linnaeus, 1758).

Remarks. The holotype of this taxon in the collection of NRM was incorrectly placed in the box with "*Hyperioides grandis coreana*". However the label data of the holotype completely correspond to the original description of *matsumuriana* (Typus: 1 ♂, Allotypus: 1 ♀, Paratypus: 2 ♂; habitat: Shuotsu 3, 24. VII; Motojondo 30. VII). The holotype of "*Hyperioides grandis coreana*" was not indicated in the collection. Sugi (1984: 34) incorrectly considered the holotype of *matsumuriana* as a holotype of *coreana* in his revision. The type series of *matsumuriana* comprised two species in the mixture of specimens. The holotype of *matsumuriana* is conspecific with *Mythimha turca* but two paratypes (not indicated in the collection), indicated by Sugi as "syntype *M. turca matsumuriana*" and 10 non-type specimens from Japan are conspecific with *Mythimna monticola* Sugi, 1982. Thus Sugi (1984) incorrectly raised the status of *matsumuriana* to full species and considered *Mythimna monticola* Sugi, 1982 as a synonym of *M. matsumuriana* Bryk, 1948. In fact, *matsumuriana* is a synonym of *M. turca*, but *Mythimna monticola* Sugi, 1982, **stat. res.** is a good species distributed, not only in Japan, Korea, but also in South of Russian Far East (Primorye territory).

***melancholica* (ssp)**-*Diarsia signum melancholica* Bryk, 1948: 69. TL: N Korea, Shuotsu. TM: Holotype: the specimen indicated as "Typus" is absent in the collection. Paratypes: ♀, Korea, Shuotsu 1935 Sten Bergman 27. VI/Allotypus/96 53. 7 ♂ (not indicated as "Paratypus", with same labels, 3, 20, 24, 25, 27. VI, 6-3. VII 1935; 1 ♂, Korea, Motojondo Sten Bergman 1935 30. VIII; 1 ♂ (24. VI with additional label: 100 53/ID: A synonym of *Eugraphe sigma* (Denis & Schiffermüller, 1775), synonymized by Poole (1989).

***minorita* (ssp)**-*Polia persicariae minorita* Bryk, 1948: 73, pl. 4, fig. 1. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 23. VIII/\* Avbild. Ark. f. Zool.14/Preparation No RMS 25/Ch. Boursin/\* *Polia mortua* Stgr. ♂, Boursin det/2 72 RM Prep. 3005. Paratypes: 1 ♂ and 1 ♀ with same labels, 27, VIII, VII. 32. ID: A synonym of *Polia mortua* (Staudinger, 1888), synonymized by Boursin (1952).

Remarks. The holotype and paratypes were not indicated in the collection, however the holotype was illustrated in the original description. The type series comprised two species in the mixture of specimens. The holotype is *Polia mortua* Stgr. and two paratypes belong to *Melanchra persicariae* (Linnaeus, 1758).

***mirabilis* (ssp)**-*Eccrita mirabilis* Bryk, 1948: 119. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 13. VIII./Typus/\* *E. mirabilis* Bryk ♂, F. Bryk det. 1943/77 88/*Lygephila vulcanica* (Butler) = *graciocissima* Bryk Det. S. Sugi, 1982/Riksmuseum Stockholm. ID: *Lygephila mirabilis*, Bryk, 1948, a full species.

Remarks. The holotype of this taxon was revised by Sviridov (1990). He recognized *L. mirabilis* as a good species. The male of *mirabilis* differs from *L. vulcanica* (Butler, 1881) by the shape of uncus and the length of apical extension of clasper. The moths *L. mirabilis* have paler coloration on forewings. The species is known from Korea and Russian Far East.

***montojodensis* (ssp)**-*Apamea lucens montojodensis* Bryk, 1948: 103. TL: N Korea, Motojondo.



TM: Holotype: ♂, Korea, Motojondo 1936 Sten Bergman 30. VII/Typus/*Amphipoea asiatica* (Burr.) ♂, det S. Sugi, 1982/172 83/Riksmuseum Stockholm. Paratypes: 1 ♀, 2 ♂ with same labels, indicated as "Allotypus" and "Paratypus"; males with additional labels: *Amphipoea asiatica* (Burr.), det. S. Sugi. ID: A synonym of *Amphipoea asiatica* (Burrows, 1844), synonymized by Kononenko (1990).

***niphandothauma* (sp)**-*Metachrostis niphandothauma* Bryk, 1948: 55. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman 23. VII/Typus/\* *B. niphandothauma* ♂, F. Bryk det 1943/122/\* *Procus askoldis* Ob. ♀, Boursin det. ID: A synonym of *Anapamea askoldis* (Oberthür, 1880), synonymized by Boursin, 1952.

***nolimetangere* (ssp)**-*Diarsia exusta nolimetangere* Bryk, 1948: 65, pl. 4, fig 17. TL: N Korea, Shuotsu. TM: Holotype: ♀ (sic!), Korea, Shuotsu 1935 Sten Bergman/Typus/\* *Diarsia exusta nolimetangere* ♂, F. Bryk det. 1943/Typus/\* Avbild. Ark. f. Zool./291/*Sineugraphe exusta* Butl. Boursin det. Paratypes: 2 ♀, with same labels; one female indicated as 25. VIII/Allotypus/12/\* *Sin. exusta nigromaculata* Graes. ♀. ID: A secondary synonym (**syn. n.**) of *Sineugraphe bipartita* (Graeser, [1888] 1888).

Remarks. The holotype is a female, but not male, as reported in the original description. Sugi referred the name *nolimetangere* as a synonym of *Sineugraphe disgnosta* Boursin, 1948, however the latter is a synonym of *Sineugraphe bipartita* Graeser. [1889] 1888 (Kononenko, 1986). Thus, *nolimetangere* is a secondary synonym of *S. bipartita*.

***nominata* (ssp)**-*Euxoa oberthuri nominata* Bryk, 1948: 57, Pl. 4, fig. 5. TL: S Korea, [Jiri Mts] Chidisan. TM: Holotype: ♂, Korea Chidisan 1936 Sten Bergman 19. VIII/Typus/\* *Euxoa oberthuri* Leech ssp. *nominata* ♂, F. Bryk det. 1945/\* Avbild. Ark. f. Zool./157/2. 58 RM prep. 2820/Preparation No RMS 14 Ch. Boursin/213 83/Riksmuseum Stockholm/*Euxoa oberthuri nominata* Bryk 218. The specimen supplied with micropreparate: \* RMS 14 *Euxoa subconspicua* Stgr. (zugistadi Cti. f !)/XIV 44. 4 Boursin ID: A synonym (**syn. n.**) of *Euxoa subconspicua* Staudinger, 1888.

Remarks. I follow to Ch. Boursin (unpubl. data) who synonymized *E. oberthuri nominata* with *E. subconspicua*. The genitalia of the holotype of *E. o. nominata* illustrated on Fig. 1.

***obscurans* (sp)**-*Hydrillodes obscurans* Bryk, 1948: 152. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 22. VI-♂. 7/Typus/*Hidrillides* [sic!] *obscurans* ♂, F. Bryk det. 1946/84 88/Riksmuseum Stockholm/*Hydrillodes funeralis* Warr. = *Hydrillodes obscurans* Bryk, **syn. n.**, A. Sviridov det. ID: A synonym (**syn. n.**) of *Hydrillodes morosa* (Butler, 1879) = *Hydrillodes funeralis* Warren, 1913.

Remarks. This taxon was synonymized by Sviridov (1990) with *Hydrillodes funeralis* Warr. However, according to Owada (1987), the latter name is junior secondary synonym of *H. morosa*. Therefore, *H. obscurans* is a junior secondary synonym of the last.

***olivaceula* (ssp)**-*Polia contigua olivaceula* Bryk, 1948: 72, pl. 4, fig 6. TL: N Korea, Shuotsu.

TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 27. VII/Typus/\* *Polia contigua olivaceula* ♂. F. Bryk det. 1943/\* Avbild. Ark. f. Zool./216 83/*Polia contigua olivaceula* Bryk 256. ID: A synonym of *Lacanobia contigia* ([Denis & Schiffmüller], 1755).

Remarks. No distinctive subspecific characters between specimens from different parts of range of this widely distributed species were found.

**otonisbanghaasi (ssp)**-*Diarsia ruficauda otonisbanghaasi* Bryk, 1948: 67, pl. 4, fig 9. TL: China, "Pao-Hwa". TM: Holotype: ♂, Berg Pao-Hwa b. Luntang b. Nanking [Prov. Shansi]/China June/Typus/\* *ruficauda*/\* *D. ruficauda ssp. bang-haasi* ♂, F. Bryk det. 1945/175/Preparation No RMS 18 Ch. Boursin/\* *Diarsia pacifica* Brsn. ♂. Boursin det/RM prep 2153 2747. ID: A synonym of *Diarsia pacifica* Boursin, 1943, synonymized by Boursin, 1952.

**paginalis (ssp)**-*Earias pupillana paginalis* Bryk, 1948: 114, pl. 5, fig 12. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 23. VII/Typus/154 83/\* *E. pupillana* St. ssp. *paginalis* ♂, F. Bryk det. 1943. Paratypes: 1 ♀, 1 ♂, with same label, indicated as "Allotypus" and "Paratypus". ID: A synonym of *Earias pudicana* Staudinger, 1888, synonymized by Poole (1989).

**parthenon (ssp)**-*Virgo datanidia parthenon* Bryk, 1948: 97. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 2. IX/Typus/\* *V. datanidia parthenon*, F. Bryk det 1947/Loan No 109 90. Paratypes: 1 ♀, with same label/187 83/loan No 109 90; 4 ♂ with same labels, 17. VI, 24, 27. VIII; 1 ♂, Gekatsugu 13. VII. 1935, not indicated in collection. ID: A synonym of *Virgo datanidia* (Butler, 1885), synonymized by Kononenko, 1990.

**parvula (ssp)**-*Amphipyra tripartita parvula* Bryk, 1948: 89, pl. 5, fig 11. TL: N Korea, Shuotsu. TM: Holotype ♀, Korea, Shuotsu 1935 Sten Bergman 2. IX/ID: A synonym of *Amphipyra tripartita* Butler, 1878 (**syn. n.**).

Remarks. The holotype of *A. t. parvula* is a small and non-typical specimen of *A. tripartita*, and not a subspecies.

**perfractalis (sp)**-*Zanclognatha perfractalis* Bryk, 1948: 147, pl. 6, fig. 7. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 22. VII/Typus/\* *Z. perfractalis* ♂, F. Bryk det. 1943/83 88/Riksmuseum Stockholm/*Zanclognatha perfractalis* Bryk = *Zanclognatha southi* Owada **syn. n.**/A. Sviridov det. ID: *Zanclognatha perfractalis* Bryk, 1948, a good species.

Remarks. Sviridov (1990) confirmed this taxon as a good species and established its conspecificity with *Zanclognatha southi* Owada, 1982.

**pergrandis (ssp)**-*Ipimorpha contusa pergrandis* Bryk, 1948: 106. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 25. VIII/Typus/\* *Ipimorpha contusa pergrandis* ♂. F. Bryk det 1945. ID: A synonym of *Ipimorpha contusa* (Freyer, 1849)

**permorosa (ssp)**-*Elaphris morosa permorosa* Bryk, 1948: 100, pl. 2, fig. 6. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 8. IX/Typus/*E. morosa permorosa* F. Bryk det 1943/184 83/Riksmuseum Stockholm \* Avbild. Ark. f. Zool. Note: Just this specimen was illustrated on pl. 2, fig. 6 by Bryk and indicated as "Typus" in the illustration and description. Paratypes: 4 ♂, with same labels, 28. VIII, 2. IX, not indicated in collection and description as paratypes. ID: A synonym of *Eremodrina morosa* (Lederer, 1857), synonymized by Kononenko (1990).

Remarks. The paratype of *E. morosa permorosa* Bryk (male with label "Korea Shuotsu 1935 Sten Bergman/27/\*Avbild. Ark. f. Zool.") which was illustrated by Bryk on pl. 2, fig. 4, in fact, is another species and identified as *Paradrina* sp. It is the first record of representative of western palaearctic genus in Korea and the Far East. The *Caradrina-Paradrina* generic complex contains many hardly identified and unrevised species. Therefore, in present, exact identification of the species from Bryk's collection is impossible without taxonomic revision of that complex. The male genitalia of the specimen of *Paradrina* sp. is illustrated on fig. 2.

**postfusca (ssp)**-*Parallelia mimula postfusca* Bryk, 1948: 121, pl. 5, fig 2. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 4. VIII/Typus/\* *P. mimula* ssp. *postfusca* ♂. F. Bryk det. 1943/\* Avbild. Ark. f. Zool. Paratypes: 1 ♀, with same label, 28. VI/Allotypus/2 ♂ with same labels, 4. VII, 19. VIII. 1935, not indicated. ID: A synonym of *Dysgonia mandschuriana* (Staudinger, 1892), synonymized by Sugi (1868).

Remarks. Both taxa, *mimula* Warren, 1913 and *mimula postfusca* Bryk, 1948 are synonyms to *Dysgonia mandschuriana* (Staudinger, 1892) (Sugi, 1968, 1982).

**renalis (if)**-*Dermaleipa juno* f. *renalis* Bryk, 1948: 120, pl. 1, fig 23. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 27. VIII/Typus/\* *D. juno* f. *renalis* ♂, Bryk det. 1943/\* Avbild. Ark. f. Zool. ID: A synonym of *Thyas juno* (Dalman, 1823).

**rumicina (ssp)**-*Acronicta rumicis rumicina* Bryk, 1948: 53. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 20. VIII/Typus. ID: A synonym of *Acronicta rumicis* (Linnaeus, 1767).

Remarks. Poole (1989) referred this taxon as a subspecies of *A. rumicis*. The specimen slightly differs by some lighter central part of forewing, but it seems to be an individual variation of this polymorphic species.

**separatum (if)**-*Chrysorithrum amatum amorina* f. *separatum* Bryk, 1948: 50, pl. 1, fig 23. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 27. VI. Not found in the collection of NHRM. Paratypes: 1 ♂, Korea, Shuotsu 1935 Sten Bergman 3. VII/Paratypus; 4 ♂, with same labels, 24. VI. 2. VII, 3. VII, 23. VII not indicated as "paratypus". ID: Infrasubspecific name for individual form of *Chrysorithrum amatum* (Bremer & Grey, 1853), no nomenclatural value.

**shuotsuensis (ssp)**-*Cerastis sobrina shuotsuensis* Bryk, 1948: 70. TL: N Korea, Shuotsu. TM:

Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman (not studied). ID: None available.

Remarks. The type specimen was not found in the collection of NHRM. The loan No 143 was found in the box. The type specimen was sent to Ch. Boursin, but not returned back. The status of this taxon is unclear. Poole referred this taxon as a subspecies of "*Paradiarsia*" *sobrina* (Duponchel, 1843). However, the identification of "*Cerastis sobrina*" by Bryk seems to be doubtful. The *Abagrotis sobrina* (Duponchel, 1843) is a trans-russian eurasiatic boreal species, which was distributed in E Palaearctic Region (Siberia and northern part of the Far East: N. Sakhalin, Kamchatka, Magadan region). It was newly collected or reported from South of Russian Far East, Japan or NE China.

**shuotsuensis (ssp)**-*Cucullia maculosa shuotsuensis* Bryk, 1948: 86, pl. 4, fig. 23. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 25. VIII/Typus/\* *C. maculosa shuotsuensis* Bryk, F. Bryk det, 1943/231 83/Riksmuseum Stockholm. Paratypes. 1 ♀, with same label, 3. IX/\* Avbild. Ark. f. Zool.; 1 ♂, with same label, 18. VII. ID: A synonym of *Cucullia maculosa* Staudinger, 1892, synonymized by Kononenko (1990).

**siculimina (ssp)**-*Harmodia corrupta siculimina* Bryk, 1948: 74, pl. 4, fig. 2. TL: N Korea, Shuotsu. TM: Holotype: ♀, Korea, Shuotsu 1935 Sten Bergman 18. VIII/Typus/*Harmodia corrupta* Herz ssp. *siculissima* Bryk, F. Bryk det. 1943/\* Avbild. Ark. f. Zool. Paratype: 1 ♀, with same label, 27. VIII. ID: A synonym to *Hadena corrupta* (Herz, 1905), synonymized by Boursin, 1952.

**sinica (ssp)**-*Parallelia algira sinica* Bryk, 1948: 122, pl. 5, fig. 18. TL: China, Chinkiang Mts., Prov. Kiangsu [Jiangsu]. TM: Holotype: ♀, Prov. Kiangsy/China Kolthoff/Typus/\* *P. algira* (L.) ssp. *sinica*, F. Bryk det. 1945./China. Kiangsu Sept. 21. Paratype ♀, Prov. Kiangsy/shina Kolthoff/Paratypus. ID: A synonym (**syn. n.**) of *Dysgonia stuposa* (Fabricius, 1794).

Remarks. Poole referred this taxon as a synonym of *D. algira* (Linnaeus, 1758). On external appearance the types of "*P. a. sinica*" are identical to illustration of *Dysgonia stuposa* in "Moths of Japan", therefore I consider this taxon as a junior synonym of the latter. *Dysgonia algira* is a South-western palaearctic species and not distributed in the Far East. All reports of *D. algira* from Far Eastern countries belong to *D. mandschuriana* or to *D. stuposa*. The type locality [Chekiang] referred in the original description probably is incorrect. The type label has same data with *Moma kolthoffi* Bryk, collected in Prov. Jiangsu [Kiangsu], Chinkiang Mt., but not in "Chekiang" which is old name of prov. Zhejiang.

**sinuosella (sp)**-*Sideridis sinuosella* Bryk, 1948: 84. TL: Korea, "Motojondo". TM: Holotype: ♂, Korea Motojondo 1935 Sten Bergman 3. VII/Typus/\* *Sideridis sinuosella* Bryk, F. Bryk det 1942/228 83/Riksmuseum Stockholm/\* *Nonagria turpis* Butler, 1878/gen. prep. N 1626 det. M. Hreblay/RM prep. 8854. ID: A synonym of *Nonagria turpis* (Butler, 1879), synonymized by Sugi, 1984.

**steni (ssp)**-*Diarsia ruficauda steni* Bryk, 1948: 67. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 23. VIII/Typus/\* *Diarsia ruficauda steni* ♂, F. Bryk det.

1943/170/preparation No RMS 16 CH. Boursin/2: 53/RM prep. 2749. ID: A synonym of *Diarsia ruficauda* (Warren, 1909), synonymized by Inoue & Sugi, 1958.

***stigmatophora* (sp)**-*Sinarella stigmatophora* Bryk, 1948: 144, pl. 6, fig. 2. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 26. VIII/Typus/*Sinarella* n. g. *maculifera* [sic!] ♂, F. Bryk det. 1943/80 88/Riksmuseum Stockholm/*Sinarella aegrota* (Butl.) ♀. = *Sinarella stigmatophora* Bryk, syn. n., A. Sviridov det. ID: A synonym of *Sinarella aegrota* (Butler, 1879), synonymized by Sviridov (1990).

Remarks. The generic name *Sinarella* Bryk, 1948 (TS: *stigmatophora* Bryk, 1948, syn. of *aegrota* Butler, 1878) is currently considered to be valid name in subfamily Herminiinae (Owada, 1982, 1987).

***stygia* (sp)**-*Heteroscotia stygia* Bryk, 1948: 138, pl. 5, fig 9. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 22. VII/Typus/*Heteroscotia* n. g. *stygia* n. sp., F. Bryk det. 1943. Paratypes: 3 ♂, with same labels, 22. VII, 20, 28. VIII, 8. IX/Paratypus. ID: A synonym of *Diomea cremata* (Butler, 1878).

Remarks. The generic name *Heteroscotia* Bryk, 1948 (TS: *stygia* Bryk, 1948 is currently considered to be a synonym of *Diomea* Walker, [1858] 1857. The synonymy for both, generic and species name was introduced by Inoue & Sugi (1958).

***tancrei* (ssp)**-*Sideridis insecuta tancrei* Bryk, 1948: 83. TL: Russia, "Amur". TM: Holotype: ♂, Amur Tancre 1889/Typus/*Sideridis insecuta* ssp. *bergmani* [sic!] ♂. det. F. Bryk. ID: A synonym of *Mythimna pudorina* ([Denis & Schiffermüller], 1877), synonymized by Sugi (1984).

Remarks. The name "*bergmani*" in a identification label is incorrect.

***tarsicrinata* (sp)**-*Zanclognatha tarsicrinata* Bryk, 1948: 146, pl. 5, fig. 5. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 3. VII/Typus/81 88/Riksmuseum Stockholm/*Polypogon gryphalis* H.-S. ♂. = *Zanclognatha tarsicrinata* Bryk, syn n., A. Sviridov det. Paratype: 1 ♀ with same label/Allotypus/82 88/Riksmuseum Stockholm. ID: A synonym of *Polypogon gryphalis* (Herrich-Schäffer, 1851), synonymized by Sviridov (1990).

***tegularis* (ssp)**-*Oligia arcta tegularis* Bryk, 1948: 92. TL: N Korea, Shuotsu. TM: Holotype ♀, Korea, Shuotsu 1935 Sten Bergman 23. VII/Typus/\* *O. arcta* ssp. *tegularis* F. Bryk det. 1943/\* Avbild. Ark. f. Zool. Paratypes: 1 ♀, 2 ♂, with same labels, not indicated as paratypes. ID: A synonym (syn. n.) of *Eucarta fasciata* (Butler, 1878)

Remarks. Poole referred this taxon as a synonym (subspecies) of *Eucarta arcta* (Lederer, 1853). However, it is conspecific with *E. fasciata*. The male genitalia of the last was illustrated by Sugi (1982).

***trifasciata* (ssp)**-*Athetis furvula trifasciata* Bryk, 1948: 101, pl. 4, fig 8. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 16. VIII/Typus/*Athetis lenta* Tr. ssp. *trifasciata*, F. Bryk det. 1947/182 83/Riksmuseum Stockholm. Paratypes: 1 ♂, 1 ♀, with same labels

indicated as "Paratypus" and "Allotypus", 1 ♀, not indicated. ID: A synonym of *Athetis furvula* (Hübner, 1808).

**tristina (ssp)**-*Trachea atriplicis tristina* Bryk, 1948: 95, pl. 5, fig 3. TL: China, "Peltai-ho". TM: Holotype: ♂, Petaicho/China Anders/Typus/\* ssp. *tristina* ♂, F. Bryk det 1945/193 83/Riksmuseum Stockholm. Paratype: ♀, with same label/Allotypus/\* Avbild. Ark. f. Zool./104 83/Riksmuseum Stockholm. ID: A synonym of *Trachea atriplicis* (Linnaeus, 1758), synonymised by Kononenko (1990).

**turbo (sp)**-*Crinisinus turbo* Bryk, 1948: 136, pl. 5, fig 14. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 2. VII/Typus/\* *Crinisinus* n. g. *turbo* n. sp., F. Bryk det. 1943. Paratype: 1 ♀, with same label./Allotypus. ID: A synonym of *Paracolax trilinealis* (Bremer, 1864).

Remarks. The generic name *Crinisinus* Bryk, 1948 (TS: turbo Bryk, 1948) is currently considered as a synonym of *Paracolax* Hübner, 1825. Both, generic and specific names was synonymized by Inoue & Sugi (1958).

**venerica (ssp)**-*Psilomonodes venustula venerica* Bryk, 1948: 103, pl. 5, fig.16. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 13. VIII/Typus/*Ps. venustula venerica* F. Bryk det 1943/162 83/Riksmuseum Stockholm/\* Avbild. Ark. f. Zool. Paratypes: ♀ with same label, 7. VII, indicated as "Allotypus", 1 ♂, 1 ♀, 5, 7. VII not indicated as paratypes. ID: A synonym of *Phyllophila oblitterata* (Ramburg, 1833).

**vernalis (if)**-*Virgo datanidia parthenon f. vernalis* Bryk, 1948: 97, pl. 1, fig. 15. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 22. VIII/V. *datanidia parthenon* ♂, F. Bryk det. 1947 f. *vernalis*/Typus/188 83/Riksmuseum Stockholm/Loan No 108 90. ID: Infrasubspecific name, a synonym (**syn. n.**) of *Virgo datanidia* (Butler, 1885).

**viola (ssp)**-*Hydroecia micacea viola* Bryk, 1948: 50, pl. 4, fig. 14. TL: N Korea, Shuotsu. TM: Holotype: ♂, Korea, Shuotsu 1935 Sten Bergman 25. VIII/Typus/\* *Hydroecia micacea* ssp. nova, F. Bryk det. 1947/\* Avbild. Ark. f. Zool. Paratypes: 2 ♂, with same labels. ID: A synonym of *Hydraecia petasitis* (Doubleday, 1847) ssp. *amurensis* (Staudinger, 1892)

Remarks. Poole referred this taxon as a synonym (subspecies of *Hydraecia micacea* however it is conspecific with *H. p. amurensis*. The species *H. micacea* is not distributed in south part of the Far East, it is known from Kamchatka, N Sakhalin and Magadan regions.

**virginalis (ssp)**-*Callogonia virgo virginalis* Bryk, 1948: 97, pl. 2, fig 10. TL: N Korea, Shuotsu. TM: Holotype: ♀ Korea, Shuotsu 1935 Sten Bergman 3. VII/Typus/\* *Callogonia virgo* Tr. ssp. *virginalis*, Bryk det. 1943/Paratypes: 1 ♀, with same label/\* Avbild. Ark. f. Zool./Paratypus; 1 ♂, Korea Myokosan ID: A synonym of *Eucarta virgo* (Treitschke, 1835), see Sugi, 1982.

**warreni (ssp)**-*Rhynchina kengkalis warreni* Bryk, 1948: 151. TL: N Korea, Shuotsu. TM:

Holotype: 1 ♀, Korea, Shuotsu 1935 Sten Bergman 19. VIII/Typus/*Rh. kengkalis* Bryk ssp. *obliquina* [sic!] Bryk F. Bryk det. 1945/Holotype 1 ♀. *Rh. kengkalis warreni* Bryk. det. S. Sugi 1982. ID: A synonym to *Hypena kengkalis* Bremer, 1864.

Remarks. The identification label, "*Rh. kengkalis* Bryk ssp. *obliquina* [sic!] Bryk" is incorrect, Bryk did not use this name in his publication.

**yokohamensis (ssp)**-*Phytometra festata yokohamensis* Bryk, 1948: 124, pl. 5, fig 6. TL: Japan, Yokohama. TM: Holotype: 1 ♂. and paratype 1 ♀., Japan, Yokohama, H. Hone leg. not found in the collection of NHRM. ID: This taxon is currently considered to be a synonym of *Plusia festucae* (Linnaeus, 1758) (Sugi, 1982).

Remarks. The type specimen of *P. f. yokohamensis* Bryk was sent in 1968 to Dr. Dufay for examination but was not returned back. The taxon was originally synonymized by Inoue & Sugi (1958) with *P. putnami* Grote, 1873 (= *festata* Graeser 1889) then by Sugi (1982) with *P. festucae*. Poole referred this taxon as a synonym of *P. festata* Graes. Judging from illustration in the original description, this taxon is a synonym of *Plusia festucae*.

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## REFERENCES

- Boursin, Ch., 1952. Beitrage zur Kenntnis der Agrotidae-Trifinae, XLIX. Synonymie-Notizen verschiedenen Bemerkungen, III.-Zeithshr. *Lepidopterol.* 2(1): 49-68.
- Bryk, F., 1948. Zur Kenntnis der Grossschmetterlinge von Korea.-*Ark. Zool.* 41A(1): 1-225, 7 pls.
- Inoue, H. and S. Sugi., 1958. *Checklist of the Lepidoptera of Japan*. Part 5. Noctuidae, pp.431-669. Rikusuisha. Tokyo.
- Kononenko, V.S., 1984. A review of the genus *Gelastocera* Butl. (Lepidoptera, Noctuidae) from the Far East of the USSR with description of the new species. *Systematic of Insects of the Far East*. Vladivostok : 68-74 (in Russian).
- Kononenko, V.S., 1990. Synonymic Check List of the Noctuidae of the Primorye Territory, the Far East of USSR. *Tinea*, 13, suppl. 1: 1-40.
- Lattin (de), G. 1949. Neue Acronictinen II. *Z. Wien. entomol. Ges.* 34: 105-112.
- Mikkola, K., 1985. The Geometroidea and Noctuoidea described by Carl Clerck (Lepidoptera). *Ent. Scand.*

- 16: 121-129.
- Owada, M., 1987. *A taxonomic study of the subfamily Herminiinae of Japan*. National Science Museum. Tokyo: ii+208 pp.
- Owada, M., 1992. Synonymic notes on the Herminiinae moths (Noctuidae) of Japan, with description of three new species. *Tinea*. 13, 18: 183-203.
- Park, K. T., 1976. Historical Review of Korean Lepidoptera (Heterocera). *Korean J. Entomol.* 6 (2): 51-62 [in Korean with English abstract].
- Poole, R. W., 1989. *Noctuidae. Lepidopterorum Catalogus, (N. Ser.), Fascicle 118*. xii+ 1314 pp. E. J. Brill, Leiden.
- Remm H.J., M. Martin, 1979. *On the morphology and systematic of the Hypeninae* (Lepidoptera, Noctuidae). *Uchen. Zap. Tartu gos. Univ.* 483: 134-163.
- Sviridov, A.V., 1990. *On Type-specimens of the noctuid moths* (Lepidoptera, Noctuidae) described by F. Bryk from Korea. *News of Faunistic and Systematic*, Kiev: 97-100 (in Russian).
- Sugi, S., 1968. First record of *Dysgonia mandshuriana* (Staudinger) from Japan (Noctuidae, Catocalinae). *Japan Heterocerists'J.* 54: 597-599.
- Sugi, S., 1982. Noctuidae (excluding Herminiinae). In Inoue et al., *Moths of Japan*, 1: 669-913, 2: 334-405, pls. 37, 164-223, 229, 278, 355-280. Kodansha, Tokyo. (In Japanese).
- Sugi, S., 1984a. New synonymies in the *Mythimna-Aletia* complex (Lepidoptera, Noctuidae.-Tyô to Ga. 35, 1: 37-41.
- Sugi, S. and M. Nakamura, 1986. *Trichosea champa* (Moore) and its allied species (Lepidoptera, Noctuidae). *Gekkan-Mushi*. 189: 4-12.
- Sugi, S., 1986. Transfer of *Oruza chalcogramma* Bryk, 1949, to *Maliattha* (Noctuidae: Acontiinae). *Yugato* 104: 40.
- Sugi, S., 1994. 'Post-MJ'. *Additions of species and Changes in names of Japanese moths*. Ed. 1. J. Heterocerists' Society. Tokyo: 97 pp.
- Sviridov, A.V., 1991. To the knowledge on Noctuidae (Lepidoptera) of the Far East from the genera *Zanclognatha* and *Herminia*. *Zool. Zhurn.* 70: 55-65 (in Russian).



## 한반도에서 기재발표된 F. Bryk (1948)의 밤나방과 모식표본 재정리

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스웨덴 스톡홀름의 자연사박물관에 소장된 표본을 재점검하여 F. Bryk (1948)에 의해 한국에서 기록된 대부분 종들의 모식표본을 점검한 결과를 보고한다. Bryk에 의해 제안된 각종, 아종, 개별형의 학명을 알파벳순으로 전체 목록화하고 그들의 분류학적 위치와 모식표본에 대한 재정보를 정리하였으며, 확인된 정확한 증명을 제시하였다.

Bryk는 한국산 밤나방에 대해 5屬, 20種, 75亞種, 5형(from) 등을 기재, 발표하였는데, 그중 9種만 현재 유효한 분류군으로 확인되었으며, 나머지 다른 대부분의 명칭은 분류학적 위치를 바꾸어야 한다.

새로운 이명과 분류학적 변경은 아래와 같다.

*Euxoa intracta kurilintracta* Bryk, 1948은 *Euxoa sibirica* (Boisduval, 1832)의 syn. n.

*Euxoa oberthuri nominata* Bryk, 1948은 *Euxoa subconspicua* (Staudinger, 1881)의 syn. n.

*Darsia exusta nolimetangere* Bryk, 1948은 *Sineugraphe bipartita* Graeser, [1889] 1888의 syn. n.

*Gelastocera ochroleucana f. designata* Bryk, 1948은 *Gelastocera exusta* Butler, 1877의 syn. n.

*Moma kolthoffi* Bryk, 1948 stat. n., comb. n

*Moma fulvicollis* (Lattin, 1949)은 *Moma kolthoffi* Bryk, 1948의 syn. n.

*Moma ludifera azugensis* Bryk, 1948은 *Trichosea ludifica* (Linnaeus, 1758)의 syn. n.

*Acronicta alni korealni* Bryk, 1948은 *Acronicta alni* (Linnaeus, 1758)의 syn. n.

*Hydrillodes obscurans* Bryk, 1948은 *Hydrillodes morosa* (Butler, 1879)의 syn. n.

*Mythimna turca matsumuriana* Bryk, 1948은 *Mythimna turca* (Linnaeus, 1758)의 syn. n.

*Mythimna monticola* Sugi, 1981, stat. ress., bona species

*Cosmia fulvago korecosmia* Bryk, 1948은 *Xanthia icteritia* (Hufnagel, 1766)의 syn. n.

*Euplexia koreaplexia* Bryk, 1948, stat. ress., bona species

*Euplexia vinacea* Sugi, 1982은 *Euplexia koreaplexia* Bryk, 1948의 syn. n.

*Oligia arcta tegulalis* Bryk, 1948은 *Eucarta fasciata* (Butler, 1878)의 syn. n.

*Dadaica differentiata* Bryk, 1948은 *Athetis albisignata* (Oberthür, 1879)의 syn. n.

*Virgo vernalis* Bryk, 1948은 *Virgo datanidia* (Butler, 1885)의 syn. n.

*Zanclognatha triplex koreognatha* Bryk, 1948은 *Zanclognatha leechi* (South, 1879)의 syn. n.

또한 Poole(1989)의 "Catalogue of the World Noctuidae"에 대해 몇가지를 정정하였다.

검색어 : 분류, F. Bryk, 밤나방과, 나비목, 한국

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**Figs 1-2.** Male genitalia: 1, *Euxoa subconspicua* (Stgr.), the holotype of *Euxoa oberthuri nominata* Bryk; 2, *Paradrina* sp., the paratype of *Elaphris morosa permorosa* Bryk.